

SID 24

RESULT 12

E28744

LOCUS E28744 598 bp DNA linear PAT 07-FEB-2001

DEFINITION Transposon-like DNA and utilization thereof.

ACCESSION E28744

VERSION E28744.1 GI:13018382

KEYWORDS JP 1999206374-A/1.

SOURCE Oryza sativa.

ORGANISM Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 598)

AUTHORS Hiromori, A.A.I.I. and Yokozeki.

TITLE Transposon-like DNA and utilization thereof

JOURNAL Patent: JP 1999206374-A 1 03-AUG-1999;

MITSUI CHEM INC

COMMENT

OS Oryza sativa L.

PN JP 1999206374-A/1

PD 03-AUG-1999

PF 21-JAN-1998 JP 1998009835

PR

PI HIROMORI AKAGI, AKIKO INAGAKI, YUMI YOKOZEKI

PC C12N15/09, C12Q1/68, C12N15/00

CC Strandedness: Double;

CC Topology: Linear;

FH Key Location/Qualifiers

FT repeat unit 116. .131

FT insertion seq 132. .522

FT repeat unit 523. .543.

FEATURES

source

Location/Qualifiers

1. .598

/organism="Oryza sativa"

/db_xref="taxon:4530"

BASE COUNT

214 a 108 c 76 g 200 t

ORIGIN

Query Match 100.0%; Score 24; DB 6; Length 598;

Best Local Similarity 100.0%; Pred. No. 4.1;

Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 taggttaattattggcggtaatta 24

|||||

Db 549 TAGGTTAATTATTGGCGGTAATTA 572

RESULT 13

AB010115

LOCUS AB010115 598 bp DNA linear PLN 09-AUG-2001

DEFINITION Oryza sativa gene, repeat sequence Micron-1.

ACCESSION AB010115

VERSION AB010115.1 GI:4586623

KEYWORDS .

SOURCE Oryza sativa (cultivar:Shilewa) DNA.

ORGANISM Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 598)
 AUTHORS Akagi,H., Yokozeki,Y., Inagaki,A., Mori,K. and Fujimura,T.
 TITLE Micron, a microsatellite-targeting transposable element in the rice genome
 JOURNAL Mol. Genet. Genomics. (2001) In press

REFERENCE 2 (bases 1 to 598)
 AUTHORS Akagi,H., Yokozeki,Y., Inagaki,A. and Fujimura,T.
 TITLE Highly repetitive elements in rice (Micron); targeting of TA microsatellites and recent transposition during rice evolution
 JOURNAL Unpublished

REFERENCE 3 (bases 1 to 598)
 AUTHORS Akagi,H.
 TITLE Direct Submission
 JOURNAL Submitted (06-JAN-1998) Hiromori Akagi, Mitsui Chemicals Inc., Life Science Laboratory; Togo 1144, Mobara, Chiba 297, Japan
 (E-mail:hiromori.akagi@mitsui-chem.co.jp, Tel:81-475-25-6729, Fax:81-475-25-6553)

FEATURES Location/Qualifiers
 source 1. .598
 /organism="Oryza sativa"
 /cultivar="Shilewa"
 /db_xref="taxon:4530"
 repeat_unit 116. .131
 /rpt_family="Micron-1"
 repeat_unit 521. .543
 /rpt_family="Micron-1"

BASE COUNT 214 a 108 c 76 g 200 t
 ORIGIN

Query Match 100.0%; Score 24; DB 8; Length 598;
 Best Local Similarity 100.0%; Pred. No. 4.1;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 taggttaattattggcggttaatta 24
 |||||
 Db 549 TAGGTTAATTATTGGCGGTAATTA 572

RESULT 14
 AB010111
 LOCUS AB010111 616 bp DNA linear PLN 02-APR-1999
 DEFINITION Oryza rufipogon gene, repeat sequence Micropon-1.
 ACCESSION AB010111
 VERSION AB010111.1 GI:4586619
 KEYWORDS Micropon-1.
 SOURCE Oryza rufipogon (strain:W7) DNA.
 ORGANISM Oryza rufipogon
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (sites)
 AUTHORS Akagi,H., Yokozeki,Y., Inagaki,A. and Fujimura,T.
 TITLE Highly repetitive elements in rice (Micropon); targeting of TA microsatellites and recent transposition during rice evolution

JOURNAL Unpublished (1999)
REFERENCE 2 (bases 1 to 616)
AUTHORS Akagi,H.
TITLE Direct Submission
JOURNAL Submitted (06-JAN-1998) to the DDBJ/EMBL/GenBank databases.
Hiromori Akagi, Mitsui Chemicals Inc., Life Science Laboratory;
Togo 1144, Mobara, Chiba 297, Japan
(E-mail:hiromori.akagi@mitsui-chem.co.jp, Tel:81-475-25-6729,
Fax:81-475-25-6553)

FEATURES Location/Qualifiers
source 1. .616
/organism="Oryza rufipogon"
/strain="W7"
/db_xref="taxon:4529"
repeat_unit 116. .135
/rpt_family="Micropon-1"
misc_feature 136. .527
/note="insertion sequence"
repeat_unit 528. .561
/rpt_family="Micropon-1"
BASE COUNT 223 a 111 c 76 g 206 t
ORIGIN

Query Match 100.0%; Score 24; DB 8; Length 616;
Best Local Similarity 100.0%; Pred. No. 4.1;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 taggttaattattggcggtaatta 24
|||||
Db 567 TAGGTTAATTATTGGCGGTAATTA 590

RESULT 15
E28748
LOCUS E28748 2160 bp DNA linear PAT 07-FEB-2001
DEFINITION Transposon-like DNA and utilization thereof.
ACCESSION E28748
VERSION E28748.1 GI:13018386
KEYWORDS JP 1999206374-A/5.
SOURCE Oryza sativa.
ORGANISM Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
REFERENCE 1 (bases 1 to 2160)
AUTHORS Hiromori,A.A.I.I. and Yokozeki.
TITLE Transposon-like DNA and utilization thereof
JOURNAL Patent: JP 1999206374-A 5 03-AUG-1999;
MITSUI CHEM INC
COMMENT OS Oryza sativa L.
PN JP 1999206374-A/5
PD 03-AUG-1999
PF 21-JAN-1998 JP 1998009835
PR
PI HIROMORI AKAGI,AKIKO INAGAKI,YUMI YOKOZEKI
PC C12N15/09,C12Q1/68,C12N15/00

CC Strandedness: Double;
CC Topology: Linear;
FH Key Location/Qualifiers
FT repeat unit 1343. .1385.
FEATURES Location/Qualifiers
source 1. .2160
/organism="Oryza sativa"
/db_xref="taxon:4530"
BASE COUNT 603 a 407 c 449 g 701 t
ORIGIN

Query Match 100.0%; Score 24; DB 6; Length 2160;
Best Local Similarity 100.0%; Pred. No. 3.2;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 taggttaattattggcggttaatta 24
||||||||||||||||||||
Db 1391 TAGGTTAATTATTGGCGGTAATTA 1414

Search completed: May 28, 2002, 10:55:10
Job time: 7922 sec

Result	No.	Score	Query Match	Length	DB	ID	Description
	1	24	100.0	24	6	AX207071	AX207071 Sequence
	2	24	100.0	157	6	AX207119	AX207119 Sequence
c	3	24	100.0	198	6	AX207117	AX207117 Sequence
	4	24	100.0	213	6	E15281	E15281 Oryza sativ
c	5	24	100.0	278	6	AX207115	AX207115 Sequence
c	6	24	100.0	280	8	AY019626	AY019626 Oryza sat
c	7	24	100.0	302	6	AX207118	AX207118 Sequence
	8	24	100.0	314	6	AX207114	AX207114 Sequence
	9	24	100.0	348	6	AX207116	AX207116 Sequence
c	10	24	100.0	392	6	AX207113	AX207113 Sequence
	11	24	100.0	413	6	AX207112	AX207112 Sequence
	12	24	100.0	598	6	E28744	E28744 Transposon-
	13	24	100.0	598	8	AB010115	AB010115 Oryza sat
	14	24	100.0	616	8	AB010111	AB010111 Oryza ruf
	15	24	100.0	2160	6	E28748	E28748 Transposon-
	16	24	100.0	9979	8	OSPHY18	X14172 Rice phy 18
	17	24	100.0	159402	2	AF377946	